

List of papers: Ilya Safro

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Publications

1. Safro I., Segel L., "*Collective stochastic versions of playable games as metaphors for complex biosystems: Team Collect Four*", Complexity 8 (2003), 46-55, [download](#)
2. Safro I., "*The minimum linear arrangement problem*", M.Sc. Thesis, Weizmann Institute of Science, 2002.
3. Safro I., Ron D., Brandt A., "*Graph Minimum Linear Arrangement by Multilevel Weighted Edge Contractions*", Journal of Algorithms, vol. 60/1, pp. 24-41, 2006, [download](#)
4. Safro I., Ron D., Brandt A., "*A Multilevel Algorithm for the Minimum 2-sum Problem*", Journal of Graph Algorithms and Applications, vol. 10/2, 2006, [download](#)
5. Klipcan L., Safro I., Temkin B., Safro M., "*Optimal growth temperature of prokaryotes correlates with class II amino acid composition*", FEBS Letters, vol. 580/6, pp. 1672-1676, 2006, [download](#)
6. Safro I., Ron D., Brandt A., "*Multilevel Algorithms for Linear Ordering Problems*", in press, Journal of Experimental Algorithmics, 2007, [download](#)
7. Safro I., "*Multilevel Algorithms for Combinatorial Optimization Problems*", Ph.D. Thesis, The Weizmann Institute of Science, 2007, [download](#)

In preparation

1. "*Fast multilevel solver for a planar constrained quadratic minimization problems*".
2. "*Generalization of Algebraic Multigrid coarsening scheme*".

Book chapters

1. Safro I., Ron D., Brandt A., "*Fast Multilevel Algorithms for Linear Ordering Problems*", "Computer algorithms: Research, Developments", Nova Science Publishers, in publication, 2007.

ArXiv publications

1. Safro I., "*The minimum linear arrangement problem on proper interval graphs*", arXiv, cs.DM/0608008, 2002 (submitted 2006), [download](#)
2. Benditkis S., Safro I., "*Generalizations of the Hanoi Towers problem*", arXiv, cs.DM/0612070, 1998 (submitted 2006), [download](#)